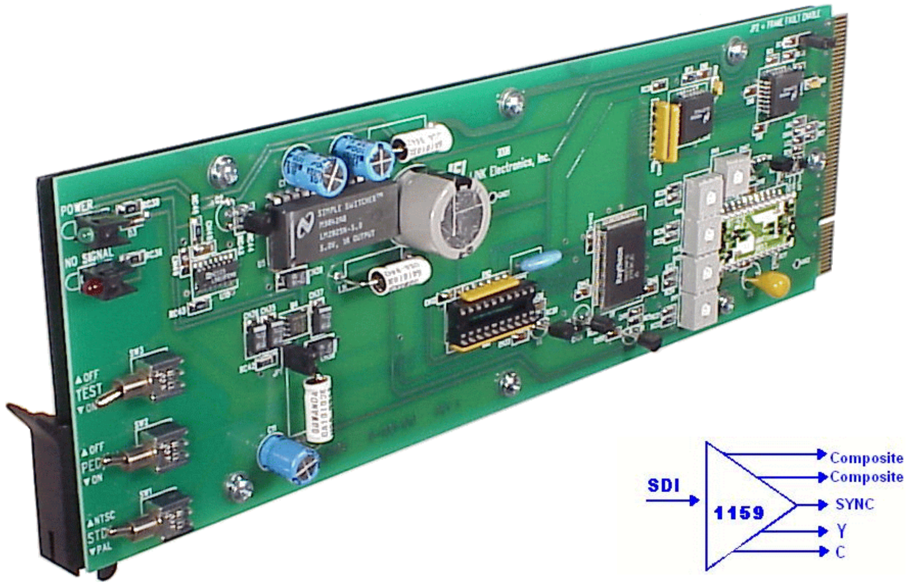
LINK ELECTRONICS, INC.

SDI TO ANALOG COMPOSITE & Y/C

DigiFlex 1159

MADE IN THE USA



FEATURES

- **10 Bit Processing**
- **SDI Serial Component Digital Input**
- **NTSC or PAL Input**
- **Two NTSC/PAL Outputs**
- **One Y/C (S-Video) Output**
- **Composite Sync Output**

The LINK 1159 converts SDI serial component digital, 10 bit, to analog (NTSC/PAL) composite video. The 1159 takes advantage of the latest technology to provide high-performance conversion from digital SDI to analog NTSC or PAL composite video. The digital input is non-looping and offers excellent return loss. Error-free transmission is provided for input cable lengths exceeding 500ft. Serial digital input is confirmed by a signal presence LED.

Two NTSC analog outputs are available on the rear panel for distribution purposes. In addition, there is a Y/C pair of BNC connectors for S-Video distribution.

FEATURES

- **Color Bar Select**
- **CCIR 601 Compliant**
- **Set-up On/Off**
- **Select NTSC/PAL**
- **Fault Indication**
- **Passes Line 21**

Three switches on the front panel select Color Bars, Set-up On/Off and NTSC/PAL. Line 21 is preserved for closed caption. The DigiFlex 1159 is designed to reside in LINK's 1000-Series frame. This frame can house up to 11 modules of various types. A redundant power supply is available for dual power supply operation. A second power cord is a part of the redundant power supply for separate AC circuit breakers.

The family of DigiFlex 1000 series modules will operate in the mounting frame in any configuration. The specific rear cell matches the module and in some cases the rear cell detects the desired output signal.

LINK **ELECTRONICS, INC.** ◆ 2137 Rust Avenue ◆ Cape Girardeau, MO 63703-7668
Phone 573 334 4433 ◆ FAX 573 334 9255

DIGIFLEX 1159 SDI TO ANALOG COMPOSITE

SPECIFICATIONS

SERIAL DIGITAL VIDEO INPUT:

Standard:	270Mb/s, SMPTE 259M-C
Impedance:	75Ω
Return Loss:	>18dB
Signal Level	800mV±1%
CMR:	30Vp-p, up to 60Hz
Equalization:	Automatic up to >30dB
Connectors:	BNC

ANALOG OUTPUTS:

Number of Video Outputs:	2 NTSC or PAL
	1 Y/C (Two BNC Connectors)
Composite Sync:	0.3 Vp-p, Terminated
Impedance:	75Ω
Return Loss:	>38dB to 5MHz
Signal Level:	1.0Vp-p ±10%, Adjustable
DC Offset:	±100mV
Frequency Response:	>0.5dB @ 4.2MHz
Differential Gain:	1.0%
Differential Phase:	0.5°
Chroma-Luma Delay:	±10nS
Signal to Noise:	>65dB to 5MHz

FRONT CONTROLS & INDICATORS:

Power:	Green LED
No Signal:	Red LED
Test:	Color Bars, Select
Set-up:	On/Off
Standard:	NTSC/PAL

ENVIRONMENTAL:

Temperature:	0° to 50°C Ambient
Humidity:	0% to 90% non-condensing
Power:	3.5 Watts

MECHANICAL:

Height:	3.2 Inch
Width:	1.0 Inch
Length	10 Inch
Weight:	7.25 Oz

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Rear Cell Outputs
0. Input
1. Sync
2. Composite
3. "Y"
4. "C"
5. Composite



REARCELL 1027

PROFESSIONAL SERIES--
modular system products--by LINK